

CURRICULUM VITAE

PERSONAL DETAILS

Name: John Coughlin Rockett III

Nationality: USA

Work Address: United States Environmental Protection Agency
National Health and Environmental Effects Research Laboratory
Reproductive Toxicology Division (MD-72)
Gamete and Early Embryo Biology Branch
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Employment and Higher Education

CURRENT POSITION (12/00-present)

Research Biologist
Gamete and Early Embryo Biology Branch (MD-72)
Reproductive Toxicology Division
National Health and Environmental Effects Research Laboratory
US Environmental Protection Agency
Research Triangle Park
NC 27711
USA

PREVIOUS POSITIONS

8/98-12/00: NHEERL Post-Doctoral Research Fellow, Gamete and Early Embryo Biology Branch, Reproductive Toxicology Division, National Health and Environmental Effects Research Laboratory, United States Environmental Protection Agency, Research Triangle Park, NC, USA.

Supervisors: Dr Sally P. Darney (Scientific publications under Sally D. Perreault) and Dr David J. Dix.

5/95-7/98: Rhone-Poulenc Post-Doctoral Research Fellow, Molecular Toxicology Group, School of Biological Sciences, University of Surrey, Guildford, Surrey, England.

Supervisor: Prof. G. Gordon Gibson.

EDUCATION

Ph.D., 1995 - University of Warwick, Coventry, W. Midlands, England
Title: Transforming Growth Factor- β and Immune Recognition Molecules in Oesophageal Cancer.
Supervisors: Dr Alan G. Morris (University of Warwick) and Dr S. Jane Darnton (Birmingham Heartlands Hospital)

B.Sc. (Hons.), 1991 - University of Warwick, Coventry, W. Midlands, England.
Degree: Microbiology and Microbial Technology (with intercalated year in industry), Class 2i.
Tutor: Professor Howard Dalton.

PROFESSIONAL ACTIVITIES

Membership of Professional Societies:

Society of Toxicology (Inc. Molecular Biology Speciality Section) (2001-present)
Science Advisory Board (2001-present)
North Carolina Chapter of the Society of Toxicology (1999-present)
Triangle Consortium for Reproductive Biology (1999-present)
Triangle Array Users Group (1999-present)
Institute of Biology (U.K.) (1989 - present)
British Toxicology Society (1996 - 2000)
Biochemical Society (U.K.) (1992-1995)
British Society for Immunology (1992-1995)

Membership of Scientific Committees:

International Life Sciences Institute's (ILSI) Health and Environmental Sciences Institute (HESI) Technical Committee on the Application of Genomics to Mechanism-Based Risk Assessment:

- Steering Committee (5/02-present).
- Hepatotoxicity Working Group Vice-Chair (5/02-present).
- Hepatotoxicity Work Group Member (5/01-present).

Charter member, Fertility and Early Pregnancy Work Group of the National Children's Study (07/01-Present).

National Health and Environmental Effects Research Laboratory Distinguished Lecture Series Committee (July 03-present).

U.S. Environmental Protection Agency Genomics Task Force Microarray Technical Subcommittee (August 03-present).

National Health and Environmental Effects Research Laboratory Genomics and Proteomics Committee (NGPC) (September 03-present).

Professional Meetings:

Invited participant ("Observer") in Expert Panel Workshop: "The Role of Environmental Factors on the Onset and Progression of Puberty in Children". Organised by Serono Symposia International. November 6th-8th, 2003, Chicago, IL, USA.

Joint organiser and co-chair of: "*Genomic analysis of surrogate tissues for measuring toxic exposures and drug action*", the "*Innovations in Applied Toxicology*" Symposium for the Society of Toxicology 42nd Annual Meeting, March 9th-13th, 2003, Salt Lake City, UT, USA.

- (8) John C. Rockett, David J. Esdaile and G Gordon Gibson (1999). Differential gene expression in drug metabolism: practicalities, problems and potential. *Xenobiotica*, 29(7):655-691.
- (7) MC Murphy, CN Brookes, JC Rockett, C Chapman, JA Lovegrove, BJ Gould, JW Wright and CM Williams (1999). The quantitation of lipoprotein lipase mRNA in biopsies of human adipose tissue, using the polymerase chain reaction, and the effect of increased consumption of n-3 polyunsaturated fatty acids. *European Journal of Clinical Nutrition*, 53:441-447.
- (6) JC Rockett, DJ Esdaile and GG Gibson (1997). Molecular profiling of non-genotoxic carcinogenesis using differential display reverse transcription polymerase chain reaction (ddRT-PCR). *European Journal of Drug Metabolism & Pharmacokinetics* 22(4):329-33.
- (5) Rockett, J., Larkin, K., Darnton, S., Morris, A. and Matthews, H. (1997). Five newly established oesophageal carcinoma cell lines: phenotypic and immunological characterisation. *British Journal of Cancer* 75(2):258-263.
- (4) J C Rockett, S J Darnton, J Crocker, H R Matthews and A G Morris (1996). Lymphocyte infiltration in oesophageal carcinoma: lack of correlation with MHC antigens, ICAM-1, and tumour stage and grade. *Journal of Clinical Pathology* 49:264-267.
- (3) J C Rockett, S J Darnton, J Crocker, H R Matthews and A G Morris (1995). Expression of HL-ABC and HLA-DR histocompatibility antigens and intercellular adhesion molecule-1 in oesophageal carcinoma. *Journal of Clinical Pathology* 48:539-44.
- (2) Salam M, Rockett J and Morris A (1995). The prevalence of different human papillomavirus types and p53 mutations in laryngeal carcinomas: is there a reciprocal relationship? *European Journal of Surgical Oncology* 21:290-296.
- (1) Salam M, Rockett J and Morris A (1995). General primer-mediated polymerase chain reaction for simultaneous detection and typing of HPV in laryngeal carcinomas. *Clinical Otolaryngology* 20:84-88.

(2) Articles Submitted To A Scientific Journal

- (4) John C. Rockett, Judith E. Schmid, Christopher J. Luft, J. Brian Garges, M. Stacey Ricci, Pasquale Patrizio, Norman B. Hecht and David J. Dix. Gene Expression Patterns Associated with Infertility in Rodent and Human Models. *An invited submission*
- (3) Roger Ulrich, John C. Rockett, G. Gordon Gibson and Syril Pettit. Evaluating the Effects of Methapyrilene and Clofibrate on Hepatic Gene Expression: A Collaboration Between Laboratories and a Comparison of Platform and Analytical Approaches.
- (2) Valerie A Baker, Helen M Harries, Jeffrey F Waring, Roger Jolly, Angus de Souza, Judith E Schmid, Hong Ni, Roger Brown, Roger G Ulrich and John C. Rockett. Clofibrate-Induced Gene Expression Changes in Rat Liver: A Cross-Laboratory Analysis Using Membrane cDNA Arrays.

(1) David Miller, Corrado Spadafora, David Dix, Adrian Platts, **John C. Rockett**, Stephen A Krawetz Nuclease digestion of sperm chromatin suggests a random distribution of gene sequences.

(3) Articles In Preparation For Submission To A Scientific Journal

(3) Spearow J, DB Tully, JC Rockett and DJ Dix. Differential testicular gene expression in mouse strains sensitive and resistant to endocrine disruption by estrogen.

(2) Sally D. Perrault, **John C. Rockett**, Laura Fenster, James Kesner, Wendy Robbins and Steven Schrader. Biomarkers for Assessing Reproductive Development and Health: Part 2 – Adult Reproductive Health.

(1) J. Christopher Luft, Douglas B. Tully, **John C. Rockett**, Judith E. Schmid and David J. Dix. Reproductive and genomic effects in testes from mice exposed to the water disinfectant byproduct bromochloroacetic acid

(4) Book Chapters

(4) **John C. Rockett**. Gene Microarrays Applied to Reproductive Toxicology. In Cunningham (Ed): *Genetic and Proteomic Applications in Toxicity Testing*, The Human Press, Totowa. In Preparation. *An invited submission*

(3) **John C. Rockett** and David J Dix. Gene Expression Networks. In Cooper (ed-in-chief): *Encyclopaedia of the Human Genome*, Nature Publishing Group. London, New York. ISBN 0-333-80386-8 (2003). *An invited submission*

(2) **John C. Rockett**. The Future of Toxicogenomics. In Michael Burczynski (ed): “*An Introduction to Toxicogenomics*”. CRC Press. Boca Raton, London, New York, Washington D.C., pp299-317 (2003). *An invited submission*

(1) **J. Rockett**, S. Darnton, J. Crocker, H. Matthews and A. Morris: Major Histocompatibility Complex (MHC) class I and II and Intercellular Adhesion Molecule (ICAM)-1 expression in oesophageal carcinoma. Peracchia A, Rosati R, Bonavina L, Bona S, Chella B (eds): *Recent Advances in Diseases of the Esophagus*. Bologna: Monduzzi Editore, pp45-49 (1996).

(5) Other Scientific Publications (Letters to Editors; Meeting Reports; Commentaries etc.)

(11) **John C. Rockett** (2003). Probing the nature of microarray-based oligonucleotides. *Drug Discovery Today* 8(9):389. (A Letter To The Editor) *An invited submission*

(10) **John C. Rockett** (2003). To confirm or not to confirm (microarray data) – that, is the question. *Drug Discovery Today* 8(8):343. (A Letter To The Editor)

- (9B) Nazzareno Ballatori, James L. Boyer, and **John C. Rockett**. (2003). Exploiting Genome Data to Understand the Function, Regulation and Evolutionary Origins of Toxicologically Relevant Genes. *Environ Health Perspect.* 111(6):871-5. (A Meeting Report)
- (9A) Nazzareno Ballatori, James L. Boyer, and **John C. Rockett**. (2003). Exploiting Genome Data to Understand the Function, Regulation and Evolutionary Origins of Toxicologically Relevant Genes. *EHP Toxicogenomics.* 111(1T):61-5. (A Meeting Report)
- (8) **John C. Rockett** (2002). Surrogate Tissue Analysis for Monitoring the Degree and Impact of Exposures in Agricultural Workers. *AgBiotechNet*, 4:1-7 November, ABN 100. (A Review Article). *An invited submission*
- (7) **John C. Rockett** (2002). Macroresults Through Microarrays. *Drug Discovery Today*, 7(15);804-805. (A Meeting Report)
- (6) **John C. Rockett** (2002). Chip, chip, array! Three chips for post-genomic research. *Drug Discovery Today*, 7(8);458-459. (A Meeting Report)
- (5) **John C. Rockett** (2002). Use of Genomic Data in Risk Assessment. *GenomeBiology*, 3(4): reports4011.1-4011.3 (<http://genomebiology.com/2002/3/4/reports/4011/?isguard=1>). (A Meeting Report)
- (4) **John C. Rockett** (2001). Genomic and Proteomic Techniques Applied to Reproductive Biology. *GenomeBiology* 2(9): 4020.1-4020.3 (<http://genomebiology.com/2001/2/9/reports/4020/>). (A Meeting Report)
- (3) **John C. Rockett** (2001). Chipping away at the mystery of drug responses. *The Pharmacogenomics Journal*, 1(3);161-163. (A commentary) *An invited submission*
- (2) **Rockett, John C.** and Dix, David J. (1999). U.S. EPA workshop: Application of DNA arrays to Toxicology. *Environmental Health Perspectives*, 107(8):681-685. (A Meeting Report)
- (1) **John C. Rockett III** (1995). Immune recognition molecules and transforming growth factor beta-1 in oesophageal cancer. Ph.D. thesis, University of Warwick, Coventry, England.(Ph.D. thesis)

(6) Published Book, Paper and Website reviews

- (9) **John C. Rockett** (2002). A report on the manuscript: Systemic RNAi in *C. elegans* requires the putative transmembrane protein SID-1. Winston WM, Molodowitch C, Hunter CP. *Science*. 2002 295:2456-2459. *GenomeBiology*, 3(7):reports0034 <http://genomebiology.com/2002/3/7/reports/0034/>

(8) **John C. Rockett** (2001). A report on the manuscript: Genetic rescue of an endangered mammal by cross-species nuclear transfer using post-mortem somatic cells. P Loi , et al., *Nat Biotechnol.* 2001, 19:962-964. *GenomeBiology*, 3(1):reports0006. (<http://genomebiology.com/2001/3/1/reports/0006/>).

(7) **John C. Rockett** (2001). A report on the manuscript: Molecular Classification of Human Carcinomas by Use of Gene Expression Signatures. A Su et al., *Cancer Res.* 2001 61:7388-7393. *GenomeBiology*, 3(1):reports0005. (<http://genomebiology.com/2001/3/1/reports/0005/>).

(6) **John C. Rockett** (2001). A report on the manuscript: Genetic evidence for two species of elephant in Africa. A Roca et al., *Science*. 2001 Aug 24;293(5534):1473-7. *GenomeBiology*, 2(12):reports0045. (<http://www.genomebiology.com/2001/2/12/reports/0045/>).

(5) **John C. Rockett** (2001). A report on the manuscript: Extensive genetic polymorphism in the human CYP2B6 gene with impact on expression and function in human liver. T Lang et al., *Pharmacogenetics*, 2001, 11(5):399-415. *GenomeBiology*, 2(12):reports0044. (<http://www.genomebiology.com/2001/2/12/reports/0044/>).

(4) **John C. Rockett** (2001). A report on the manuscript: Novel Human Testis-Specific cDNA: molecular Cloning, Expression and Immunological Effects of the Recombinant Protein. R Santhanam and R K Naz, *Molecular Reproduction and Development* 60:1-12 (2001). *GenomeBiology*, 2(11):reports0040. (<http://genomebiology.com/2001/2/11/reports/0040/>).

(3) **John C. Rockett** (2001). A report on the website: BIND - The Biomolecular Interaction Network Database (<http://www.bind.ca/>). *GenomeBiology*, 2(9): reports2011. (<http://www.genomebiology.com/2001/2/9/reports/2011/>).

(2) **John C. Rockett** (2001). A report on the manuscript: Exploring the DNA-binding specificities of zinc fingers with DNA microarrays. ML Bulyk et al., *Proc Natl Acad Sci USA* 2001, 98:7158-7163. *GenomeBiology*, 2(10): reports0032. (<http://genomebiology.com/2001/2/10/reports/0032/>).

(1) **J Rockett** (1996). A Book Review on: "Cell Adhesion and Cancer" (Eds., Hogg N. and Hart I.). *Clinical Molecular Pathology* 49(1):M64. *An invited submission*

(7) Published Abstracts of Poster and Oral Presentations

(17) Amber K. Goetz, Wenjun Bao, Judith E. Schmid, Carmen Wood, Hongzu Ren, Deborah S. Best, Rachel N. Murrell, **John C. Rockett**, Michael G. Narotsky, Douglas C. Wolf, Douglas B. Tully, David J. Dix' Gene Expression Profiling in Testis and Liver of Mice to Identify Modes of Action of Conazole Toxicities. Society of Toxicology 43rd Annual Meeting, March 21st-25th, 2004, Baltimore, MD, USA. *Toxicological Sciences*. (Submitted)

(16) Jane Gallagher, Theresa Lehman, Ramakrishna Modali, Scott Rhoney, Marien Clas, Jeff Inmon, **John C. Rockett**, David Dix, Cindy Mamay, Suzanne Fenton, Suzanne McMaster, Stan

Barone Jr, Pauline Mendola and Reeder Sams. Validation of Non-Invasive Biological Samples: Pilot Projects Relevant to the National Children Study. Society of Toxicology 43rd Annual Meeting, March 21st-25th, 2004, Baltimore, MD, USA. *Toxicological Sciences*. (Submitted)

(15) B.S. Pukazhenthi, **J. C. Rockett**, M. Ouyang, D.J. Dix, J.G. Howard, P. Georgopoulos, W.J. J. Welsh and D. E. Wildt. Gene Expression In The Testis Of Normospermic Versus Teratospermic Domestic Cats Using Human cDNA Microarray Analyses. Society for the Study of Reproduction 36th Annual Meeting, July 19th-22nd, 2003, Cincinnati, OH, USA. *Biology of Reproduction* 68 (Supp 1):191.

(14) David J. Dix and **John C. Rockett** (2003). Genomic and Proteomic Analysis of Surrogate Tissues for Assessing Toxic Exposures and Disease States. Innovation in Applied Toxicology symposium entitled "*Genomic and Proteomic Analysis of Surrogate Tissues for Assessing Toxic Exposures and Disease States*". Society of Toxicology 42nd Annual Meeting, March 9th-13th, 2003, Salt Lake City, UT, USA. *Toxicological Sciences* 72(S-1):276.

(13) **John C. Rockett**, Chad R. Blystone, Amber K. Goetz, Rachel N. Murrell, Judith E. Schmid and David J. Dix. (2003). Gene Expression Profiling Of Accessible Surrogate Tissues To Monitor Molecular Changes In Inaccessible Target Tissues Following Toxicant Exposure. Innovations in Applied Toxicology Symposium entitled "*Genomic and Proteomic Analysis of Surrogate Tissues for Assessing Toxic Exposures and Disease States*". Society of Toxicology 42nd Annual Meeting, March 9th-13th, 2003, Salt Lake City, UT, USA. *Toxicological Sciences* 72(S-1):276.

(12) Douglas B. Tully, J. Christopher Luft, **John C. Rockett**, Judy E. Schmid and David J. Dix (2002). Effects on gene expression in testes from adult male mice exposed to the water disinfectant byproduct bromochloroacetic acid. *Society for the Study of Reproduction 35th Annual Meeting, July 28-31, 2002, Baltimore, Maryland, USA. Biology of Reproduction* 66 (Supp 1):223.

(11) David J. Dix, Kary E. Thompson, **John C. Rockett**, Judith E. Schmid, Robert J. Goodrich, David Miller, G. Charles Ostermeier and Stephen A. Krawetz (2002). Testis and spermatazola RNA profiles of normal fertile men. *Society for the Study of Reproduction 35th Annual Meeting, July 28-31, 2002, Baltimore, Maryland, USA. Biology of Reproduction* 66 (Supp 1):194.

(10) Asa J. Oudes, **John C. Rockett**, David J. Dix and Kwan Hee Kim (2002). Identification of retinoic acid induced genes in mouse testis by cDNA microarray analysis. *27th Annual Meeting of the American Society of Andrology, 4/24-27/02. J. Andrology Supplement March/April*.

(9) **John C. Rockett**, Robert J. Kavlock, Christy Lambright, Louise G. Parks, Judith E. Schmid, Vickie S. Wilson and David J. Dix (2002). Use of DNA arrays to monitor gene expression in blood and uterus from Long-Evans rats following 17-β-estradiol exposure – a new approach to biomonitoring endocrine disrupting chemicals using surrogate tissues. *Toxicological Sciences* 66(1): Abstract No.1388.

(8) David J. Dix and **John C. Rockett** (2002). Genomic analysis of the testicular toxicity of haloacetic acids. Platform presentation at the symposium, "Defining the cellular and molecular

mechanisms of toxicant action in the testis". *Toxicological Science* 66 (1): Abstract No.848.

(7) JC Rockett, JC Luft, JB Garges and DJ Dix (2001). The reproductive effects of the water disinfectant byproduct bromochloroacetate on juvenile and adult male mice. *Toxicological Sciences*, 60 (1):250.

(6) Tarka DK, Klinefelter GR, Rockett JC, Suarez JD, Roberts NL and Rogers JM (2001). Effect of gestational exposure to ethane dimethane sulfonate (EDS), bromochloroacetic acid (BCA) and molinate on reproductive function in CD-1 male mice. *Toxicological Sciences*, 60 (1):250.

(5) Garges JB, Rockett JC and Dix DJ (2001). Developmental and reproductive phenotype of mice lacking stress-inducible 70 kDa heat shock proteins (Hsp70s). *Toxicological Sciences*, 60 (1):383.

(4) D Dix, J Rockett, J Luft, J Garges, M Ricci, P Patrizio and N Hecht (2000). Using DNA microarrays to characterise gene expression in testes of fertile and infertile humans and mice. *Biology of Reproduction*, 62 (s1);227.

(3) J Luft, J B Garges, J Rockett and D Dix (2000). Male reproductive toxicity of bromochloroacetic acid in mice. *Biology of Reproduction*, 62 (s1);246.

(2) Rockett, JC, Garges, JB and Dix, DJ (2000). A single heat-shock of juvenile male mice causes a long-term decrease in fertility and reduces embryo quality. *Toxicological Sciences* 54 (1):365.

(1) JC Rockett, SJ Darnton, J Crocker, HR Matthews and AG Morris (1994). Major Histocompatibility (MHC) class I and II and intercellular adhesion molecule (ICAM)-1 expression in oesophageal carcinoma (OC). *Immunology* 83 (s1):64.

(8) Invited Oral Presentations

(10) John C. Rockett and Gary M Hellmann. *To confirm or not to confirm (microarray data) – that is the question*. Seminar for EPA/NHEERL Genomics and Proteomics Committee's ArrayQA forum, August 25th, 2003, RTP, NC, USA.

(9) John C. Rockett. "Biomonitoring Toxicant Exposure and Effect Using Toxicogenomics and Surrogate Tissue Analysis". Seminar for Division of Epidemiology, Statistics and Prevention Research, National Institute of Child Health and Development, May 29th, 2003, Rockville, MD, USA.

(8) John C. Rockett. "Genomics and Proteomics: New Toxicity Testing". Platform presentation at US EPA Regional Risk Assessors Annual Conference, April 28th – May 2nd, 2003, Stone Mountain, GA, USA.

(7) John C. Rockett, Chad R. Blystone, Amber K. Goetz, Rachel N. Murrell, Judith E. Schmid and David J. Dix. "Gene Expression Profiling Of Accessible Surrogate Tissues To Monitor Molecular Changes in Inaccessible Target Tissues Following Toxicant Exposure." Platform presentation at

SoT 42nd Annual Meeting symposium entitled "Genomic and Proteomic Analysis of Surrogate Tissues for Measuring Toxic Exposures and Drug Action", March 9th-13th, 2003, Salt Lake City, UT, USA.

(6) John C. Rockett. "A Toxicogenomic Approach to Surrogate Tissue Analysis". Seminar for Department of Environmental and Molecular Toxicology, North Carolina State University, September 3rd, 2002, Raleigh, NC, USA.

(5) John C. Rockett. "Differential gene expression in toxicology: practicalities, problems and potential". Platform presentation at 9th Annual Mount Desert Island Biological Laboratory Environmental Health Sciences Symposium: Exploiting Genome Data to Understand the Function, Regulation and Evolutionary Origins of Toxicologically Relevant Genes, July 10th-11th, 2002, Salisbury Cove, Maine, USA.

(4) John C. Rockett, Leroy Folmar, Michael J. Hemmer and David J. Dix. "Arrays for biomonitoring environmental and reproductive toxicology". Platform Presentation at *Macroresults Through Microarrays 3 – Advancing Drug Development*, April 29th-May 1st, 2002, Boston, MA, USA.

(3) John C. Rockett, Sigmund Degitz, Suzanne E. Fenton, Leroy Folmar, Michael J. Hemmer, Joe E Tietge, and David J. Dix. "Use of DNA Arrays in Environmental Toxicology". Platform presentation at the 4th Annual Lab-on-a-Chip and Microarrays for Post-Genomic Applications meeting, January 14th-16th, 2002, Zurich, Switzerland.

(2) John C. Rockett. "DNA Arrays". Seminar at *EPA Molecular Biology Course*, April 8th, 1999, USEPA, RTP, NC, USA.

(1) John C. Rockett. "Contract Services for Array Applications". Seminar at the *Triangle Array Users Group*, May 1st, 1999, CIIT, RTP, NC, USA.

(9) Other Poster and Oral Presentations

(23) John C. Rockett, Wenjun Bao, Chad R. Blystone, Amber K. Goetz, Rachel N. Murrell, Hongzu Ren, Judith E. Schmid, Jessica Stapelfeldt, Lillian F. Strader, Kary E. Thompson and David J. Dix. Genomic Analysis of Surrogate Tissues for Assessing Environmental Exposures and Future Disease States. ILSI-HESI meeting: *Toxicogenomics in Risk Assessment - Assessing the Utility, Challenges, and Next Steps*. June 5th-6th, 2003, Fairfax, VA, USA.

(22) John C. Rockett, Wenjun Bao, Chad R. Blystone, Amber K. Goetz , Rachel N. Murrell, Hongzu Ren, Judith E. Schmid, Jessica Stapelfeldt, Lillian F. Strader, Kary E. Thompson and David J. Dix. Genomic Analysis of Surrogate Tissues for Assessing Environmental Exposures and Future Disease States. *EPA Science Forum*, May 5th-7th, 2003, Washington, D.C., USA.

(21) Germaine Buck, Courtney Johnson, Joseph Stanford, Anne Sweeney, Laura Schieve, **John Rockett**, Sherry Selevan and Steve Schrader. Prospective Pregnancy Study Designs for Assessing Reproductive and Developmental Toxicants. *American Epidemiology Society Meeting*, March 27th-28th, 2003, Atlanta, GA, USA.

(20) **John C. Rockett**, Chad R. Blystone, Amber K. Goetz, Rachel N. Murrell, Hongzu Ren, Judith E. Schmid, Jessica Stapelfeldt, Lillian F. Strader, Kary E. Thompson, Doug B. Tully, Paul Zegas and David J. Dix. Genomic Analysis of Surrogate Tissues for Assessing Environmental Exposures and Future Disease States. *National Children's Study Assembly Meeting*, December 16th-18th, 2002, Baltimore, MD, USA.

(19) **John Rockett**. The Use of Gene Expression Profiling to Detect Early Biomarkers of Adverse Effects Prior to Clinical manifestation. *National Children's Study: Meeting of EPA Project Leaders - Methods Development Projects*. November 20th, 2002, USEPA, RTP, NC, USA. (Oral Presentation)

(18) GC Ostermeier, RJ Goodrich, K Thompson, **J Rockett**, MP Diamond, K Collins, NICHD Reproductive Medicine Network, DJ. Dix, D Miller and SA Krawetz. Defining the spermatozoal RNA population in normal fertile men. *American Society of Reproductive Medicine October 12-17, 2002, Seattle, WA, USA.*

(17) G. Charles Ostermeier, Robert J. Goodrich, Kary Thompson, **John Rockett**, Michael P. Diamond, Karen Collins, NICHD Reproductive Medicine Network, David J. Dix, David Miller and Stephen A. Krawetz. RNAs isolated from ejaculate spermatozoa provide a noninvasive means to investigate testicular gene expression. *Gordon Conference on Mammalian Gametogenesis & Embryogenesis*, June 30th-July 5th, Connecticut College, New London, CT, USA.

(16) David Dix, **John Rockett**, Judith Schmid, Lillian Strader, Douglas Tully. Genomic analysis of testicular toxicity. *USEPA/NHEERL/RTD Peer Review*, October 22nd, 2001, RTP, NC, USA.

(15) David Dix, **John Rockett**, Judith Schmid, Douglas Tully. Monitoring human reproductive health and development through gene expression profiling. *USEPA/NHEERL/RTD Peer Review*, October 22nd, 2001, RTP, NC, USA.

(14) Patrizio P, N Hecht, **J Rockett**, J Schmid and D Dix (2001). DNA microarrays to study gene expression profiles in testis of fertile and infertile men. *57th Annual Meeting of the American Society for Reproductive Medicine*, October 20th-25th, 2001, Orlando, FL, USA.

(13) Jimmy L. Spearow, Dale Morris, Uland Wong, Rashid Altafi, Saeed Eteiwi, Mark Stanford, Trevor Stearns, Lorena Orozio, Angela Chen, **John Rockett**, Douglas Tully, David Dix and Marylynn Barkley. Genetic Variation In Susceptibility To The Disruption Of Testicular Development And Gene Expression By Pubertal Exposure To Estrogenic Agents. *Third Annual University of California at Davis Conference for Environmental Health Scientists, Disruption of Developing Systems and Advances in Therapeutic Approaches* August 27th, 2001, UC Davis, CA, USA.

- (12) Tarka DK, Klinefelter GR, Rockett JC, Suarez JD, Roberts NL and Rogers JM (2001). Effect of gestational exposure to ethane dimethane sulfonate (EDS), bromochloroacetic acid (BCA) and molinate on reproductive function in CD-1 male mice. *North Carolina Society of Toxicology Winter Meeting*, March 3rd, 2001. NIEHS, RTP, NC, USA.
- (11) David Dix, John Rockett, Leroy Folmar, Michael Hemmer, Sigmund Degitz, and Joseph Tietge (2001). Biomonitoring the Toxicogenomic Response to Endocrine Disrupting Chemicals in Humans, Laboratory Species and Wildlife. *U.S. - Japan International Workshop for Endocrine Disrupting Chemicals*, February 28th-March 3rd, 2001, Tsukuba, Japan.
- (10) John C. Rockett, Faye L. Mapp, J. Brian Garges, J. Christopher Luft, Chisato Mori and David J Dix David Dix (2001). The effects of hyperthermia on spermatogenesis, apoptosis, gene expression and fertility in adult male mice. *Triangle Consortium for Reproductive Biology Annual Meeting*, January 27th, 2001, RTP, NC, USA.
- (9) Gangolli E, Dix DJ, Garges J B, Rockett, JC and Idzerda RL (2000). Testosterone Regulation of Sertoli Cell genes. *11th International Congress of Endocrinology*, October 29th-November 2nd, 2000, Sydney, Australia.
- (8) J Rockett, J Luft, J Garges, M Ricci, P Patrizio, N Hecht and D Dix (2000). Using DNA microarrays to characterise gene expression in testes of fertile and infertile humans and mice. *Functional Genomics & Microarray Data Mining*, August 3rd-4th 2000, Durham, NC, USA.
- (7) Rockett JC, S Ricci, P Patrizio, NB Hecht, JB Garges and DJ Dix (2000). Gene Expression in the Mammalian Testis. *5th NHEERL Symposium*, June 6th-8th, 2000, RTP, NC, USA.
- (6) J Luft, J B Garges, J Rockett and D Dix (2000). Male reproductive toxicity of bromochloroacetic acid in mice. *2000 NIEHS/NTA Biomedical Science and Career Fair*, April 28th 2000, RTP, NC, USA.
- (5) Rockett JC, S Ricci, P Patrizio, NB Hecht, JB Garges and DJ Dix (2000). Gene Expression in the Mammalian Testis. *Molecular Toxicology, Toxicogenomics and Associated Bioinformatics Applied to Drug Discovery meeting*, January 11th-15th, 2000, Santa Fe, NM, USA.
- (4) JC Rockett and DJ Dix (1999). Development of DNA arrays for the analysis of testis-expressed genes in humans and mice. *The 8th Annual National Health and Environmental Effects Research Laboratory Open House*. November 2nd-3rd, 1999, RTP, NC, USA.
- (3) JC Rockett, DJ Esdaile and GG Gibson (1997). Molecular profiling of non-genotoxic carcinogenesis using differential display reverse transcription polymerase chain reaction (ddRT-PCR). *The British Toxicology Society Annual Meeting*, April 19th-22nd, 1998, University of Surrey, Guildford, Surrey, England.
- (2) JC Rockett, DJ Esdaile and GG Gibson (1997). Molecular profiling of non-genotoxic

carcinogenesis using differential display reverse transcription polymerase chain reaction (ddRT-PCR). Poster presentation at *Symposium on Drug Metabolism: Towards the next Millennium*. August 26th-28th, 1997, London King's College, London, England.

(1) J Rockett, S Darnton, J Crocker, H Matthews and A Morris: Major Histocompatibility Complex (MHC) class I and II and Intercellular Adhesion Molecule (ICAM)-1 expression in oesophageal carcinoma. Oral presentation at *The 6th World Congress of the International Society for Diseases of the Esophagus*, August 23rd-26th, 1995, Milan, Italy.